

## **CHAPTER 1**

### **INTRODUCTION**

#### **1.1 INTRODUCTION**

CHAPTER 1 is the introduction chapter of this project. Generally, it discuss about the project background, problem statement, the objective, scope of project, project flow and project Gantt chart. Besides that, it also consists with the process of the project.

#### **1.2 BACKGROUND OF THE PROJECT**

Cleanliness is one of a good value which people had looking at since human come to this world. This value had continued from a generation to another generation. People always want to see a clean place. In order to reach it, manufacturer had come out with ideas to produce some good stuff which may help people to keep the area clean like broom, mop and others.

Today, manufacturer had come with innovative ideas to achieve high productive for the competition with other manufacturers. As example, a broom today had come out with so many designs depending on their function and working place.

In mosque, there are also special brooms which use to clean dirt. It size is small than other standard sizes. Innovative productivity means improving efficiency in order to do the job well. So the clearance is more easily and suitable at any area without disturbing people whose pray there.

### **1.3 PROBLEM STATEMENT**

At the market, most of small sweep are produce to use by two hands. From handicap people's point of view that only can use single hand because of physical disability, current design of small sweep is not very friendly to them. It is because, at the market, a lot of small sweep need one hand to hold the brush, and another hand use to hold the dustpan.

### **1.4 OBJECTIVE**

Objective is a plan do to achieve them. Each project has its own objective. Diploma final year project objective is to practice the knowledge and skill of the student that have been gathered before in solving problem using academic research. This project also important to train and increase the student capability to get know, research, data gathering, analysis making and then solve a problem by research or scientific research.

The project also will educate the student in communication like in a presentation and educate them to defend their research in the presentation. The project also will generate students that have capability to make a good research report in thesis form or technical writing. This project also can produce and train student to capable of doing work with minimal supervisory and more independent in searching, detailing and expanding the experiences and knowledge.

The objective of this project is:

- 1.4.1 To design an efficient small sweep.
- 1.4.2 To fabricate the structure which can be use in mosque.

### **1.5 SCOPE**

In project, scope performed a range in the completion of a project. The scopes usually define the boundary of the project framework.

The scopes of this project are:

- 1.5.1 This study is focused on making a new small sweep for mosque.
- 1.5.2 Function to remove small dirt for mosque.

## **1.6 FLOW CHART**

A flow chart, is a graphical representation of a process or system that details the sequencing of steps required to create output. A typical flow chart uses a set of basic symbols to represent various functions, and shows the sequence and interconnection of functions with lines and arrows. Flow charts can be used to document virtually any type of business system, from the movement of materials through machinery in a manufacturing operation to the flow of applicant information through the hiring process in a human resources department.

Each flow chart is concerned with one particular process or system. It begins with the input of data or materials into the system and traces all the procedures needed to convert the input into its final output form. Specialized flow chart symbols show the processes that take place, the actions that are performed in each step, and the relationship between various steps. Flow charts can include different levels of detail as needed, from a high-level overview of an entire system to a detailed diagram of one component process within a larger system. In any case, the flow chart shows the overall structure of the process or system, traces the flow of information and work through it, and highlights key processing and decision points.

Flow charts are an important tool for the improvement of processes. By providing a graphical representation, they help project teams to identify the different elements of a process and understand the interrelationships among the various steps. Flow charts may also be used to gather information and data about a process as an aid to decision making or performance evaluation.

In conducting a project, well arrangement of works and task is important to keep the momentum of this study. This is flow chart for this project.